

[METHOD OF RAID EXPANSION]

Abstract

A method of redundant array of independent disks (RAID) expansion is provided. The RAID includes M number of storage devices, each of the storage devices has N number of data blocks, and the data blocks, for example, are sequentially arranged with a RAID 5 combination architecture. The method of expanding RAID includes disposing an expansive storage device in front of the M storage devices, then the data blocks except the parity data blocks are sequentially moved to the new data blocks, and the position of the new parity data blocks is the same as the position of the original parity data blocks.